



Environmental Protection Agency

2200 Churchill Road, Springfield, Illinois 62706

US EPA RECORDS CENTER REGION 5



217/782-6760

P. 2
4/27/81
~~PDL~~

Refer to: Whiteside County - Morrison/Whiteside County Landfill #2

April 27, 1981

County of Whiteside
Board of Supervisors
County Courthouse
Morrison, Illinois 61270

Whiteside County Superintendent
of Highways
18819 Lincoln Rd., R. R. #2
Morrison, Illinois 61270

Gentlemen:

This will acknowledge receipt of your Application for Permit to develop a solid waste disposal site, dated February 27, 1981, and received by this Agency on March 2, 1981.

A review of the application has been completed and the following comments are made pursuant to that review:

The application does not include any provisions for concealing this site from public view (Rule 316-15*).

All refuse shall be deposited into the toe of the fill or into the bottom of the trench (Rule 303-a*). _____

The water levels in the borings indicate a southeasterly groundwater gradient. Monitor well W-12 may not be adequately located to monitor downgradient water quality (Rule 316-7*). Upgradient and downgradient wells should have a 10 foot screened section at the bottom which intercepts the first permeable layer below the fill invert. This Agency requires at least two (2) downgradient wells constructed of 2 in. I.D. p.v.c. pipe be located 25 - 50 feet from the fill area. Construction details for wells W-9 and W-12 were not provided (Rule 314-e*).

This Agency requires that at least 10 feet of clay with a maximum permeability of 1×10^{-7} cm/sec be present in the bottom and sidewalls of the disposal area. All the permeabilities taken on this proposed site are in excess of 1×10^{-7} cm/sec. Soils with permeabilities greater than 1×10^{-7} cm/sec do not provide adequate retention time for the attenuation of leachate related contaminants and so could cause local groundwater supplies to be polluted (Rule 313*).

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ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

County of Whiteside
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Based upon the above conditions, this Agency must deny the permit.

Please be assured of our willingness to cooperate with you in every way possible, should you desire to submit a reapplication.

Very truly yours,



Terry G. Ayers
Environmental Protection Engineer
Residual Management Section
Division of Land/Noise Pollution Control

TGA;vlt

cc: ✓ Rockford Region

* Illinois Pollution Control Board Rules and Regulations, Chapter 7: Solid Waste, adopted, July 27, 1973.